CHAPTER 157. TEAM FOCUSED IN-DEPTH INSPECTION OF A PART 145 REPAIR STATION

SECTION 1. BACKGROUND

1. PROGRAM TRACKING AND REPORTING SUBSYSTEM (PTRS) ACTIVITY CODES.

A. Maintenance: 3614

B. Avionics: 5614

3. OBJECTIVE. This chapter provides guidance and directions for completing a team focused in-depth inspection of a Title 14 of the Code of Federal Regulation (14 CFR) part 145 certificated repair station.

5. SCOPE.

A. This team focused in-depth inspection program was developed as part of the comprehensive repair station oversight system. The Federal Aviation Administration (FAA) recognizes that often times, a team inspection is more effective; this is due to the complexity of the FAA surveillance system. The team inspection is larger in scope, and has more depth and time to accomplish the FAA surveillance goals. The schedule should be developed by the local Flight Standards District Organization (FSDO) management to include all 14 CFR part 145 repair stations with an airframe class rating, an airframe limited rating, an engine class rating, or an engine limited rating that appears on at least three 14 CFR part 121 air carrier's operation specification (OpSpec) D091. The certificate-holding district office (CHDO) management will be responsible for organizing, scheduling, and accomplish the inspection. This will be an annual requirement, and should be accomplishing with local resources; however, due to heavy workloads at the CHDO level, the regional office may be contacted for additional inspector support.

B. The team focused in-depth inspection is designed to be versatile. It may be utilized for regional requirements, a previous surveillance effort, allegations of improper maintenance, or component failure trends. Inspections based on these reasons should be just as comprehensive and in-depth as the "R" item. The team inspection is designed to aid the CHDO in determining the compliance health of a repair station. This category of inspection has been designed for repair stations that provide maintenance support under the provisions of air carrier OpSpec D091. However this inspection may be used for any repair station.

NOTE: The 3650/5650 "R" item that has been planned for this facility this fiscal year shall be closed at the completion of the team in-depth inspection. The assigned repair station PI will annotate in the PTRS section IV (comments) that the "R" item was completed by a team focused in-depth inspection covered by PTRS activity code 3614/5614, and documented on PTRS control number XXXX. This comment is for tracking purposes.

C. Team Composition. The team will have a team leader and as many aviation safety inspectors (ASI) as required to complete the inspection within a reasonable time. All members must be ASIs that have completed indoctrination and have at least two years experience as either a repair station principal inspector (PI) or assistant. It is not desirable or advisable to have the PI of the facility serve on the team. However, the PI may serve in an advisory capacity. The size and complexity of the repair station must be considered when determining the number of inspectors. The CHDO must carefully consider the qualification of each team member, before assigning an inspector to the team. The CHDO manager will determine the team leader. Inspectors that do not meet the experience requirements may be assigned for training purposes but no more than one per team.

D. Inspection Plan. Prior to each inspection, the CHDO management should brief the team leader on office expectations. This chapter should be used as an inspection plan. The team leader and team members should familiarize themselves with this handbook chapter. This inspection can be initiated at the regional or CHDO level. If initiated by the regional level each team must meet the requirements as stated in paragraph 5C above and the team leader will be selected by the regional coordinator.

7. CONDUCTING THE INSPECTION. Based on the size and complexity of the repair station, the regional coordinator or the CHDO management will need to form an inspection team capable of effectively evaluating all aspects of the operation.

A. Repair Stations Doing Work Away From a Fixed Location. The same team that inspected the main base will conduct the inspections at the work away locations.

B. Repair Stations with Satellite Locations. This team inspection will focus on the main base location. Should the main base inspection reveal concerns that would affect the satellite operations the main base will be required to correct those discrepancies. If during the inspection of the main base it is determined the satellite repair station could be in noncompliance with the regulations then a team focused in-depth inspection may be required for that satellite.

C. Satellite Inspection. The satellite inspection would be a standalone inspection. A team from the CHDO for main base would complete the satellite inspection.

D. Airmen Certification. Technical supervisory personnel in propeller or instrument repair stations require repairman certification. Technical supervisory personnel in all other stations may be certificated as either Airframe or Powerplant mechanics, or repairmen. All personnel with return to service authority must be certificated.

E. Parts Inspection Procedures. All incoming parts must be inspected by the procedures in the certificate holder's manual. In addition, the procedures must ensure traceability of foreign parts. All repair stations must have a procedure for tracking life limited parts as required by 14 CFR part 43, § 43.10.

F. Sub Shops Located within the Repair Station. Often many repair station have several small shops located with in the repair station. Such as: hydraulic, avionics, sheet metal, Nondestructive Testing (NDT), composite, etc. The team leader should provide a list of all shops located with the repair station and assign inspectors to each shop. The team leader should contact the PI for this and other additional information.

SECTION 2. PROCEDURES

1. PREREQUISITES AND COORDINATION REQUIREMENTS.

A. Prerequisites:

- Knowledge of the regulatory requirements of 14 CFR parts 43, 65, 121, 125, 129, 135 and 145
- Successful completion of Airworthiness Inspector's Indoctrination course for General Aviation and Air Carrier Inspections, or previous equivalent
- Team leaders must have had previous experience as a part 145 PI

NOTE: The team may use an ASI that does not meet the experience requirements for training purposes but only one per team.

B. Coordination. This task may require coordination with regional or other district offices and the certificate holder. Close coordination with the PI must be maintained.

3. REFERENCES, FORMS, AND JOB AIDS.

A. References (current editions):

- 14 CFR parts 43, 65, 121, 125, 129, 135, 145, and § 145.223
- SFAR 36
- Order 8300.10, Airworthiness Inspector's Handbook, Vol. 2, Ch. 2, Issue SFAR 36 Authorization
- Order 8300.10, vol. 2, ch. 161, 162, and 163, as required
- Advisory Circular (AC) 145-9, Guide for Developing and Evaluating Repair Station and Quality Control Manuals
- AC 145-10, Repair Station Training Program

B. Forms. None.

C. Job Aids. None.

5. PROCEDURES. The Safety Performance Analysis System (SPAS) is the organization's primary source of comprehensive, integrated safety information that is used by inspectors, analysts, and managers in developing and adjusting field surveillance, investigation, and other oversight programs. SPAS interfaces with key fielded oversight programs (such as ATOS, SEP, and the NPG), as well as other government and industry sources, collecting raw performance and operational data, analyzing and summarizing the data, and providing critical information in the form of graphs, tables, and reports. These SPAS outputs are then used to (1) identify safety hazard and risk areas; (2) target inspection efforts for repair stations, and to areas of greatest risk; and (3) monitor the effectiveness of targeted oversight actions. SPAS repair station profile and repair station analytical model (RSAM) are available for use. This data provides additional information on performance and risk associated with individual repair station facilities.

NOTE: Column two is a "Yes" or "No" annotation, if a "Yes" comment is made it meets both guidance and regulatory requirements. If a "No" is annotated it is not necessarily a finding that will be forwarded and addressed by CHDO management. Column three is for sequential numbering of the findings.

A. Conduct Debriefings.

(1) Brief and present the finding with the CHDO office manager and PI on the inspection results and discuss any deficiencies.

(2) Brief the certificate holder on the inspection results. Discuss any deficiencies and possible corrective actions.

(3) Brief the regional coordinator if required.

7. TASK OUTCOMES.

A. Complete PTRS.

(1) The team leader will be responsible for initiating a new FAA Form 8000-36 PTRS record for

each finding. The team leader will open and enter the appropriate PTRS activity code for each finding, and then enter the PI's initials for each finding. Each finding that is recorded in PTRS should reference the original 3614 records ID in the comment section block four.

(2) A full list of all findings will be recorded under the 3614 PTRS activity code, and management will close the 3614. A list of all opened PTRS records will be given to the repair station's PI for disposition.

B. Complete the Task. Completion of this task can result in the following:

- Successful inspection
- Send a letter to the certificate holder documenting all deficiencies
- Initiate an Enforcement Investigation Report (EIR) if necessary

C. Document Task. File all supporting paperwork in the certificate holder's office file.

9. FUTURE ACTIVITIES. Validate all corrective actions at the next 3650 base inspections.

FIGURE 157-1. PART 145 DETAILED INSPECTION AREAS

PART 145 DETAILED INSPECTION AREAS				
MANAGEMENT AND ADMINISTRATION: 2.01 **PTRS CODE 3659/5659**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.01.XX. It will contain a brief description of the management and administration of the operator. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.01.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.01.01			Does the repair station have an accountable manager?	145.3(a), 145.51
2.01.02			Does the named accountable manager have the authority as required by the regulation?	145.3
2.01.03			Does the repair station have adequate personnel who supervise, inspect, and perform the work?	145.51, 145.151(b), and 145.153(a) AC 145-9
2.01.04			Does the repair station have sufficient number of employees to perform the work under the ratings held?	145.151(c)
2.01.05			Does the repair station have sufficient number of supervisors to direct the work performed under the repair station certificate and operations specifications?	145.153(a)
2.01.06			If the repair station is located outside the United States does the supervisors meet the requirements of 14 CFR § 145.153 (b)(2)?	145.153(b)(2)
2.01.07			Do all supervisors, inspectors, and those with return to service authority, read, write, and understand English?	145.153(c) 145.155(b) 145.157(c)
2.01.08			Does the repair station assure that all inspection personnel meet the requirements of 14 CFR § 145.153(a)?	145.153(a)
2.01.09			Does the repair station have personnel authorized to approve and article for return to service? Does that person meet the requirements of part 65? If the repair station is located outside the United States, does the repair station assure that person meets the requirements of 14 CFR § 145.157 (b)?	145.157
2.01.10			Does each maintenance function within the certificated repair station have an appropriately certified person that meets the requirements of part 65, directly in charge of those functions? **NOTE: Does the supervisor for propeller and instrument functions hold an appropriate repairmen's certificate?**	65.81(a), 145.3(c), 145.51(b), and 145.153(b) AC 145-9
2.01.11			Does all personnel certificated with a repairmen certificate meet the requirements of 14 CFR § 65.101?	65.101
2.01.12			Does the repair station have a current roster of its management and supervisory personnel, including the names of the officials who are responsible for its management and the names of all supervisors who oversee maintenance functions? **NOTE: Conduct an interview of key management personnel and check applicable certificates.**	145.161(a)(1) AC 145-9
2.01.13			Does the repair station have a roster of inspection personnel?	145.161(a)(2)

FIGURE 157-1. PART 145 DETAILED INSPECTION AREAS – Continued

PART 145 DETAILED INSPECTION AREAS -- Continued				
2.01.14			Does the repair station have a roster of personnel authorized to sign a maintenance release approving an article for return to service?	145(a)(3)
2.01.15			Does the repair station have a summary of the employment of each individual whose name is on the personnel roster?	145.161(a)(4)
2.01.16			Does the repair station make the changes to the roster with in the required 5 business days?	145.161(b)
2.01.17			Does each certificated person who is directly in charge of a maintenance function have the required experience or formal training acceptable to the administrator?	145.151(b) 65.101 (a) AC 145-9
CERTIFICATE & OPERATIONS SPECIFICATIONS: 2.02 **PTRS CODE 3604/5604**				
INSP. AREA	Yes	Finding #	The initial entry in this inspection area will be Finding 2.02.XX. It will contain a brief description of the certificate and operations specifications held by the operator. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.02.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.02.01			Does the certificated repair station have its certificate and operations specifications available on the premises for inspection? **NOTE: 8300.10, vol.2, chap. 162, paragraph 13(a)(3). Are the operation specifications signed by the appropriate maintenance or avionics inspector?**	145.5(b) AC 145-9
2.02.02			Are the certificated repair station ratings authorized on the certificate and operations specifications appropriate to the Article being maintained?	145.201(a)(1), 145.51, and 145.217 AC 145-9
2.02.03			Does the certificated repair certificate and operations specifications reflect the current business address?	145.57(a)(1) AC 145-9
2.02.04			Does the repair station use a Capability List?	145.215(a)(b)
2.02.05			Does the repair station have a procedure for revising the capability list that includes self–evaluation required by § 145.215(c) and a method with the frequency to notify the FAA?	145.209(d)(1)
2.02.06			Does the certificated repair station perform only the specific services and functions within the ratings and classes stated in its operations specifications and/or Capability List?	145.215(a)(b) AC 145-9
2.02.07			Does the repair station contract out any maintenance functions and has the FAA CHDO-approved those functions?	145.217(a)(1)
2.02.08			Did the repair station provide the FAA CHDO the required list?	145.217(a)(2)
2.02.09			Does the repair station use non-certificated persons for outside maintenance and does the repair station assure that they have a quality system equivalent to the repair station?	145.217(b)
2.02.10			Does the repair station provide only return to service on the article?	145.201(2) and 145.217(c)
2.02.11			Does the repair station perform work at locations other than its fixed Location and is the work authorized on the operations specifications?	145.203
2.02.12			Does the repair station have or is a Line Station and is it authorized on the operation specifications?	145.205(d)

FIGURE 157-1. PART 145 DETAILED INSPECTION AREAS – Continued

PART 145 DETAILED INSPECTION AREAS -- Continued				
2.02.13			Has the certificated repair station certificate been issued within 12 months or renewed within past 24 months?	145.55(b) AC 145-9
MANUALS AND PROCEDURES: 2.03 **PTRS CODE 3660/5660**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.03.XX. It will contain a brief description of the operator's manuals and procedures. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.03.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.03.01			Does the certificated repair station have a repair station manual and Quality control manual that has been accepted and is current with the CHDO?	145.51(a)(1)(2), 145.207(a), and 145.211(c) AC 145-9
2.03.02			Does the repair station have a quality control system?	145.211 (a)
2.03.03			Does the repair station personnel follow the quality control system?	145.211 (b)
2.03.04			Is a current copy of the repair station manual and quality control manual accessible for use by repair station personnel?	145.207(c) and 145.211(a) AC 145-9
2.03.04			Does the certificated repair station manual have all of the required elements?	145.211(c)(1) AC 145-9
2.03.06			Does the quality control manual have all the required elements?	145.209 AC 145-9
2.03.07			Does the repair station manual and quality control manual contain examples or a reference of a separate forms manual of all the forms used, and instructions for the completion of those forms?	145.211(c)(3) AC 145-9
2.03.08			Does the repair station manual and quality control manual explain the internal inspection system and procedures in an easy to understand manner?	145.155(a)(1) AC 145-9
2.03.09			Does the repair station have a procedure for revising the manuals?	145.209(j)
TRAINING PROGRAMS: 2.04 **PTRS CODE 3661/5661**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.04.XX. It will contain a brief description of the operator's training programs. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.04.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.04.01			Does the repair station have a FAA approved employee's training program?	145.163
2.04.02			Does the repair station have a procedure to revise the training program?	145.209(e) AC145.9
2.04.03			Does the certificated repair station maintain records of the training? Do those records reflect proficiency of all employees' with regards to personnel assigned to perform maintenance, preventive maintenance, or alterations, and inspection functions? Are the records maintained for 2 years?	145.163(a), (b), (c), and (d) AC 145-9
2.04.04			Does the certificated repair station have records that support the experience or training requirements of non-certificated repairmen?	145.151(d) AC 145-9
2.04.05			Does the training assure all supervisory and inspection personnel thoroughly understand the limitations of the certificate and operations specifications?	145.151(c), 145.153(c), and 145.155(b) AC 145-9

FIGURE 157-1. PART 145 DETAILED INSPECTION AREAS – Continued

PART 145 DETAILED INSPECTION AREAS -- Continued				
2.04.06			Does the training assure the inspection personnel are thoroughly familiar with the applicable regulations in part 145 and the inspection methods, techniques, practices, aid, and equipment and tools used to determine the airworthiness of the article on which maintenance was performed?	145.155(a)(1) AC 145-9
2.04.07			If the repair station is performing under 14 CFR § 145.205, does the training program address all of the requirements of each air carrier?	145.205
RECORDS SYSTEMS: 2.05 **PTRS CODE 3605/5605**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.05.XX. It will contain a brief description of the operator's records and records systems. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.05.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.05.01			Does the certificated repair station maintain records of all the work performed during the preceding 2 years?	145.219 and 43.9 AC 145-9
2.05.02			Does the certificated repair station complete an FAA Form 337 for each major alteration in accordance with part 43, appendix B, or part 121/135 air carriers approved CAMP program?	43 Appendix B and 145.405 AC 145-9
2.05.03			Does the certificated repair station document major repairs in accordance with part 43, appendix B, or part 121/135 air carriers approved CAMP program, and provide a signed copy to the aircraft owner?	43 Appendix B AC 145-9
2.05.04			Does the certificated repair station approval or disapproval of inspections performed meet the requirements of 14 CFR § 43.11?	43.11 AC 145-9
2.05.05			Does the certificated repair station have a work order system that is adequate, traceable and in accordance with the quality control manual?	145.211 AC 145-9
2.05.06			Does the certificated repair station maintain records in accordance with 14 CFR § 145.219?	145.219 AC 145-9
2.05.07			Does the repair station have a procedure that describes the required records and recordkeeping system?	145.209(i) AC 145-9
FACILITIES: 2.06 **PTRS CODE 3657/5657 & 3601/5601**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.06.XX. It will contain a brief description of the operator's facilities. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.06.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.06.01			Does the certificated repair station housing and facilities meet the requirements 14 CFR § 45.103?	145.103 AC 145-9
2.06.0			Does the certified repair station have suitable facilities for properly storing, segregating, and protecting materials, parts, and supplies?	145.103(a)(2)(i)(ii) AC 145-9
2.06.03			Does the certified repair station have suitable facilities for properly protecting parts and subassemblies during disassembly, cleaning, inspection, repair, alteration, and assembly?	145.103(a)(iii)(iv)(v) AC 145-9
2.06.04			Does the certificated repair station have special tools and equipment to ensure all required items are within calibration criteria (to include traceability to standards acceptable to the Administrator)? **NOTE: Special tools and equipment include those recommended by the**	43.13, 145.109(b), and 145.217(b)(1) AC 145-3

FIGURE 157-1. PART 145 DETAILED INSPECTION AREAS – Continued

PART 145 DETAILED INSPECTION AREAS -- Continued				
			manufacturer of the product or an FAA acceptable equivalent.	
2.06.05			Does the certificated repair station utilize an engine test cell, which has been correlated to the manufacturer's specifications?	43.13(a), 145.109(a)(b)(c), 145.201(a)(1)(2), and 145.217(a)(b) AC 43-207
2.06.06			Does the repair station have proper segregation of work areas for environmentally hazardous or sensitive operations?	145.109(a)(2)(ii)
2.06.07			Did the repair station provide proper human factor consideration in the facility?	145.109(a)(2)(v)
CONTRACTUAL ARRANGEMENTS AND WORK AWAY FORM STATION: 2.07 **PTRS CODE 3606/5606 & 3663/5663**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.07.XX. It will contain a brief description of the operator's contractual arrangements. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.07.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.07.01			Did the repair station provide the FAA CHDO with a list of outside maintenance functions for approval?	145.51(a)(6) and 145.217(a)(1)
2.07.02			Did the repair station provide a list of the names of the outside facilities with whom the repair station contracts maintenance functions and the type of certificate and ratings, if any, held by each facility?	145.217(a)(2)(ii)
2.07.03			Does the repair station have a procedure for maintaining and revising the contract maintenance information required under 14 CFR § 145.217 and notifying the CHDO?	145.209(h)
2.07.04			If the repair station contracts with a non-certificated facility did the repair station assure the non-certificated facility has a quality control system equivalent to the system followed by the repair station?	145.217(b)(1)(2), 145.109, and 145.211
2.07.05			Does the repair station have a procedure to govern work performed at other locations?	145.203 and 145.209(f)
2.07.06			Is the repair station only providing return to service only?	145.217(c)
2.07.07			Does the non-certificated facility allow the FAA to make inspection of its facility?	145.223(b)
Work performed under 121, 125, 135 **PTRS CODE 3618/5618**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.08.XX. It will contain a brief description of the operator's contractual arrangements. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.07.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.08.01			Does the repair station have procedures that meets all the requirements of the air carrier's CAMP program?	145.205, 145.209(g), and 121 subpart "L"
TECHNICAL DATA **PTRS CODE 3656/5656**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.09.XX. It will contain a brief description of the operator's AD compliance program. Subsequent findings in this inspection area should be numbered sequentially	14 CFR or AC REFERENCE

FIGURE 157-1. PART 145 DETAILED INSPECTION AREAS – Continued

PART 145 DETAILED INSPECTION AREAS -- Continued				
			beginning with 2.09.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	
2.09.01			Does the repair station have technical data for its current ratings that is utilized during the performance of maintenance and alterations?	AC 145-9 145.109(d) 43.13
2.09.02			Is the technical data current?	AC 145-9 145.109(d)
2.09.03			Does the repair station have a system to revise technical data?	AC 145-9 145.109(d)
2.09.04			Does the repair station utilize technical data from air carriers and is that data current and approved?	AC 145-9 145.109(d)
2.09.05			Is the technical data available to all personnel?	AC 145-9 145.109(d)
2.09.06			Does the repair station have a procedure for electronic retrieval of and usage of data?	AC 145-9 145.109(d)
AD COMPLIANCE: 2:10 **PTRS CODE 3667/5667**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.10.XX. It will contain a brief description of the operator's AD compliance program. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.10.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.10.01			Does the certificated repair station maintain current revisions of ADs applicable to the ratings held?	39.3, 145.211(c)(1)(v)(2), and AC 145-9
2.10.02			Is the certificated repair station keeping accurate AD records, to include AD number, revision date, method of compliance, and if recurring action is required, the next date and/ or time such action is due?	39.3, 91.417(a)(2)(v), and 145.219 AC 145-9
QUALITY CONTROL SYSTEM: 2.13 **PTRS CODE 3608/5608**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.13.00. It will contain a brief description of the operator's maintenance inspection system & required inspection items. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.13.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.13.01			Does the repair station have a quality control system?	145.211
2.13.02			Does the repair station personnel follow the Quality control system?	145.211(b)
2.13.03			Does the quality control system have procedures for revising the system and when and how it will notify the CHDO?	145.211(c)(4)
2.13.04			Does the quality system have a procedure for calibrating measuring and test equipment and taking corrective action on deficiencies?	145.21(c)(viii)(ix)
2.13.05			Does the quality system reference the manufacturer's inspections standard	145.211(c)(2)

FIGURE 157-1. PART 145 DETAILED INSPECTION AREAS – Continued

PART 145 DETAILED INSPECTION AREAS -- Continued				
			and how that data will be currency will be maintained?	
2.13.06			Does the certificated repair station inspection procedures manual have current procedures and instructions to ensure continuity of inspection from the incoming to the final inspections, prior to return to service of any item?	145.155 and 145.211
2.13.07			Does the certificated repair station inspection system produce satisfactory quality control and conform to 14 CFR § 145.211?	145.211 AC 145-9
2.13.08			Does the repair station inspect each article that it maintains with the inspection system contained in the repair stations quality system or under the provisions of 14 CFR § 145.205 the air carrier's CAMP program?	145.213 and 145.205
MECHANICAL REPORTING PROCEDURES: 2.15 **PTRS CODE 3618/5618**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.15.XX. It will contain a brief description of the mechanical reporting procedures by the operator. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.15.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.15.01			Does the certificated repair station have procedures to report defects or un-airworthy conditions as required by 14 CFR § 145.221?	145.221 AC 145-9
MAJOR REPAIR AND ALTERATION CONFORMITY: 2.16 **PTRS CODE 3605/5605**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.16.XX. It will contain a brief description of the operator's major repair and alteration conformity procedures. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.16.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.16.01			Does the certificated repair station utilize approved data for all major repairs and major alterations?	145.107, 134.201, 145.203, and 43.13 AC 145-9
AGING AIRCRAFT PROGRAM: 2.20 **PTRS CODE 3618/5618**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.20.XX. It will contain a brief description of the operator's major repair & alteration conformity procedures. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.20.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.20.01			Now or within the last 2 years, has the certificated repair station performed any aging aircraft inspections for air carriers or commercial operators? If so, does the certificated repair station have adequate facilities and equipment to perform aging aircraft inspections? Does the certificated repair station have trained, qualified, and skilled personnel and the necessary technical data to perform such inspections? Is the certificated repair station accomplishing the aging aircraft inspection in accordance with the air carrier or commercial operator's manual?	145.205 145.205

FIGURE 157-1. PART 145 DETAILED INSPECTION AREAS – Continued

PART 145 DETAILED INSPECTION AREAS -- Continued				
SFAR 36 AUTHORIZATION: 2.21 **PTRS CODE 3662/5662**				
INSP. AREA	Yes/No	Finding #	The initial entry in this inspection area will be Finding 2.21.XX. It will contain a brief description of the operator's SFAR 36 authorization and inspection procedures. Subsequent findings in this inspection area should be numbered sequentially beginning with 2.21.01. The following checklist items are provided for guidance and should be used during the in-depth inspection.	14 CFR or AC REFERENCE
2.21.01			Does the certificated repair station have a current letter of authorization approved by Engineering and Flight Standards?	SFAR 36 AC 140-6
2.21.02			Has the SFAR 36 procedure manual been approved by FAA regional engineering?	SFAR 36 145.51 AC 140-6
2.21.03			Is the certificated repair station eligible to hold a SFAR 36 authorization?	SFAR 36 AC 140-6
2.21.04			Has the certificated repair station performed any major alterations under SFAR 36?	SFAR 36 AC 140-6
2.21.05			Does the certificated repair station have all the supporting documentation for every major repair performed under the authority of SFAR 36?	SFAR 36 AC 140-6
2.21.06			Does the certificated repair station have a complete technical data package for each major repair performed under SFAR 36?	SFAR 36 AC 140-6
2.21.07			Does the certificated repair station have current records in accordance with SFAR 36.11 for each major repair accomplished?	SFAR 36 AC 140-6
2.21.08			Is the current SFAR 36 staff the same as the staff described in the SFAR 36 manual?	SFAR 36 AC 140-6
2.21.09			Have all major repairs accomplished under SFAR 36 on part 121/135 air carrier aircraft been authorized by that carrier?	SFAR 36 AC 140-6
2.21.10			Are all special tools and equipment required by SFAR 36 data available for accomplishment of the major repairs?	SFAR 36 AC 140-6